

Exercise 2-3

1. Begin a new drawing based on the acad3D.dwt template. Select the 3D Modeling workspace.
2. Draw a rectangular solid box that is 1.75" \times 2.75" \times .70".
3. Draw four cylinders .75" in diameter and 1.2" high with the bases centered on the four bottom corners of the box.
4. Set the Conceptual visual style current.
5. Use the **UNION** command to join all five objects.
6. Undo the **UNION** command.
7. Use the **SUBTRACT** command to subtract the four cylinders from the box.
8. Undo the **SUBTRACT** command.
9. Set the Hidden visual style current.
10. Use the **INTERSECT** command to view the shape created where one cylinder intersects the box.
11. Undo the **INTERSECT** command and set the Realistic visual style current.
12. Save the drawing as EX2-3. This drawing will be used for Exercise 2-4.

To continue practicing subtracting solids, complete act02-03a.dwg available on the companion website.

To continue practicing unioning solids, complete act02-03b.dwg available on the companion website.

To continue practicing intersecting solids, complete act02-03c.dwg available on the companion website.